

ABSTRACT OF THE DISCLOSURE

Disclosed is a method for data synchronization in a web-based transmission device management system, in which managing data requiring synchronization between a web server and a client is constructed as a tree data structure, and a change flag for judging a data change is easily set. The web server increases a second event number by a certain degree whenever an event datagram is transmitted to the client, and the client judges whether or not the event datagram is lost by comparing the second event number and a first event number stored by the client whenever an event datagram is transmitted from the web server. If the event datagram is not lost, the client increases the first event number by a certain degree and performs data synchronization using the received event datagram. However, if the event datagram is lost, the client transmits every checksum of the leaf nodes in its tree data structure in one request datagram to the web server, and performs data synchronization by receiving changed data from the web server. Therefore, a loss of data is recognized promptly and precisely, and change of data on the web server also can be recognized promptly.